MINGLE MANUAL

Android DVBS2 STB

MONOLITHELEC CO.,LTD

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Safety Rules

1. Please do read user manual before you operate this machine.

2. Please don't open the case of the machine by yourself in case of electric shock and damage to the machine, unless you are professional.

3. Please keep the machine power off when not working, don't use damaged power line.

4.Don't touch the power line with wet hands. When liquid permeated in the box by accidental , please shut down power immediately, at the same time get contact with our after sale service to repair it.

5. Please keep the machine away from heat source, a ventilate place will better.

6. Please keep the machine in horizontal.

7.When move machine into another place where the temperature varies a lot, please don't turn on at once until 1-2 hours later.

8. Please pay attention to putting the machine in certain place that should be: ventilate, appropriate temperature; avoiding under sunshine, water penetrating, and severe vibrating.

9. Please don't put heavy stuff onto the machine.

10. Please don't make water splash on the machine, and put the container filled with water away from this machine, e.g. vase, wine, drinks.

11. When the main plug or appliance connector are detachable device, please keep it under easy operate situation

Notice : The USB electrostatic discharge is C Level, when electrostatic discharge, it may lead USB storage device can't work properly. If so, you need to pull out USB device or reboot the machine.

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1. Summarization：

1.1. Preface:

Thanks for choosing our Android TV box.

This Android TV BOX is based on Android 4.0 version, with CPU A9-1GHz and GPU Mail-400 that can fluently run all Android 2D/3D application. Fully support HD H.264 decoding and HDMI high definition digital video output, giving you the cinema–class audio and visual enjoyment. This Android TV BOX also enables you easy to use user interface to surf the internet and experience a variety of Android software application

This user manual will give you specific guidance on installation, use, and maintenance. To ensure you can fully enjoy every feature of this machine, please read this manual carefully before using.

Disclaimer: The company (Monolithelec Co., Ltd) reserves the right to improve the content. If there has discrepancy between pictures and text, please subject to the final in-kind operation.

1.2. Main Features

Android 4.0，OTT IPTV
Support MPEG2、H.264、AVS Full 1080P HD Decode
Fully compliant HD DVB-S2 standard
Support USB 2.0
Support HDMI 1.4、CVBS Output
Support HTML5，HLS
Support EPG、Subtitle、Teletext, Time shift, Playback
Support Whole Satellite Channel Search
Support PVR into outside storage device through USB
Support Youtube、Youku，etc.
Support Skype、QQ、MSN，etc.
Support multi-screen interactive function with DLNA and Airplay protocols
Support Mobile Phone、PAD Control the Box
Support airmouse, game handle and voice recognition control
Support Verimatrix/PlayReady/WideVine DRM

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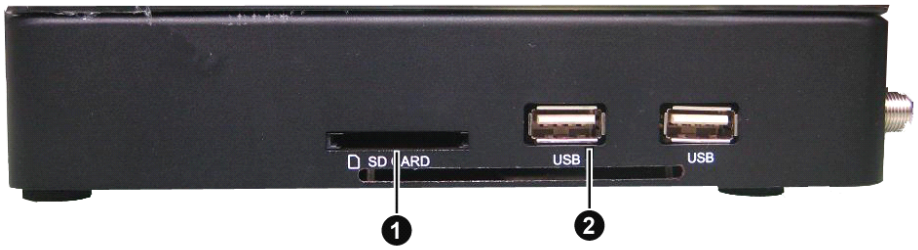
2. Hardware

2.1. Front panel

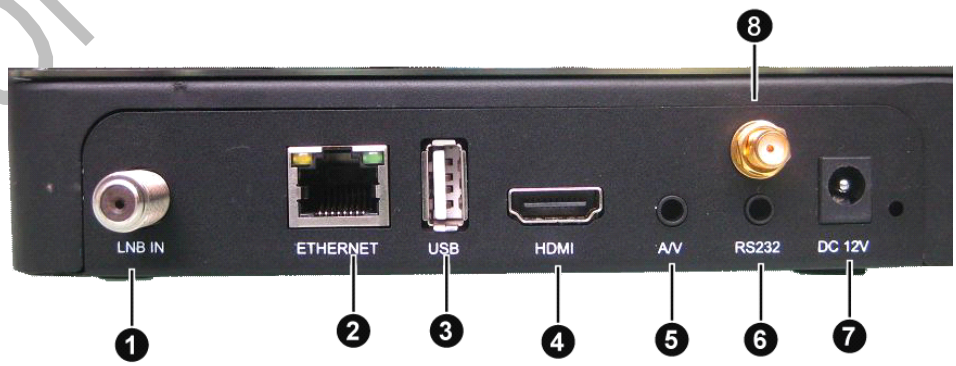
2.2. Side panel



❶ **SD CARD**：SD Card Slot

❷ **USB**：USB Slot

2.3. Rear panel



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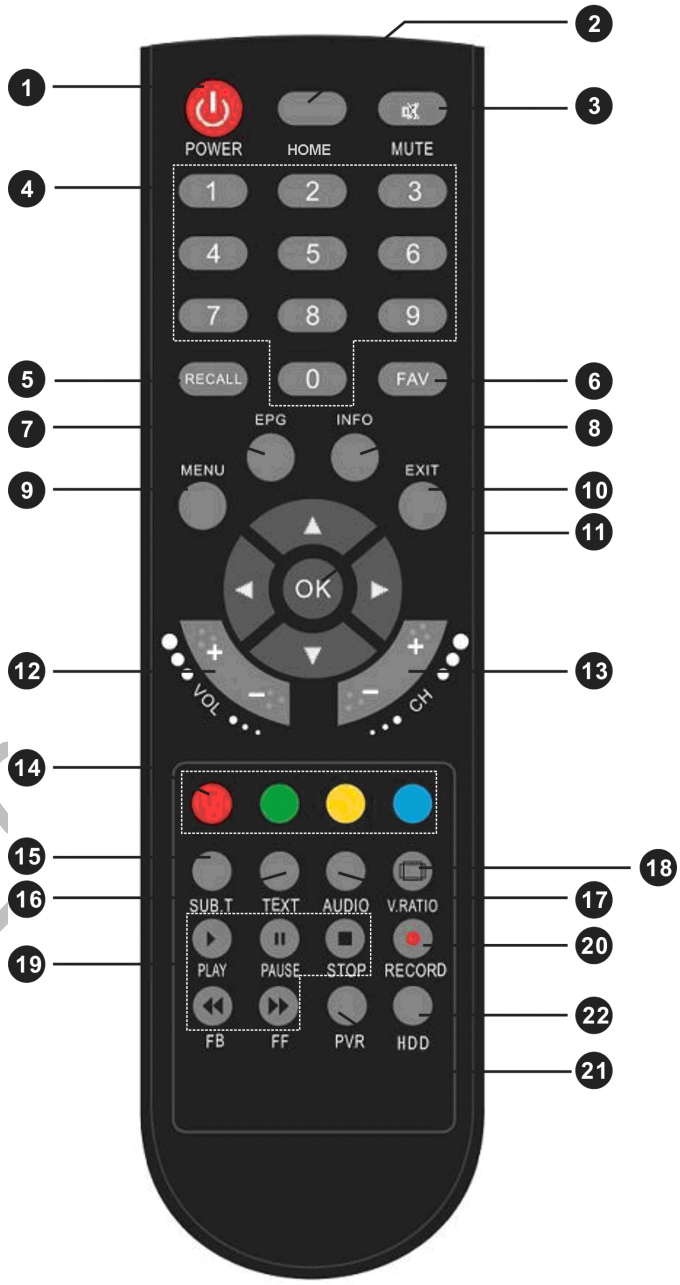
1. **LNB IN**：Signal Input
2. **ETHERNET**：Ethernet Slot
3. **USB**：USB Slot
4. **HDMI**：HDMI Output
5. **AV**：AV Output
6. **RS 232**：Serial Port
7. **DC 12V**：DC 12V Input
8. **WIFI :** Antenna



2.4. Remote Control

1. **POWER**：Power/Standby key
2. **HOME**：HOME shortcut key
3. **MUTE**: Mute key
4. **0～9**：Numeric Key
5. **RACALL**：Back to the last program

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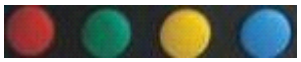
6. **FAV**：Favourite program
7. **EPG**：Electronic program guide
8. **INFO**：Display the information of current program
9. **MENU**：Menu shortcut key
10. **EXIT**：Exit key
11. **OK**：Confirm key
12. **VOL-/+**：Volume +/-
13. **CH-/+**：Switch channel
14.  ：

    Their functions depend on certain application
15. **SUBT**：Switch/turn off subtitle
16. **TEXT**：Image text
17. **AUDIO**：Change
18. **V.RATIO:** Switch video aspect ratio 4:3/16:9
19. **STOP**: Stop key **PLAY**: Play key **PAUSE**: Pause key

    FB: Fast backward **FF**: Fast forward
20. **RECORD**：Record key
21. **PVR**：Access to recorded content in USB storage device
22. **HDD**：Access to hard disk driver

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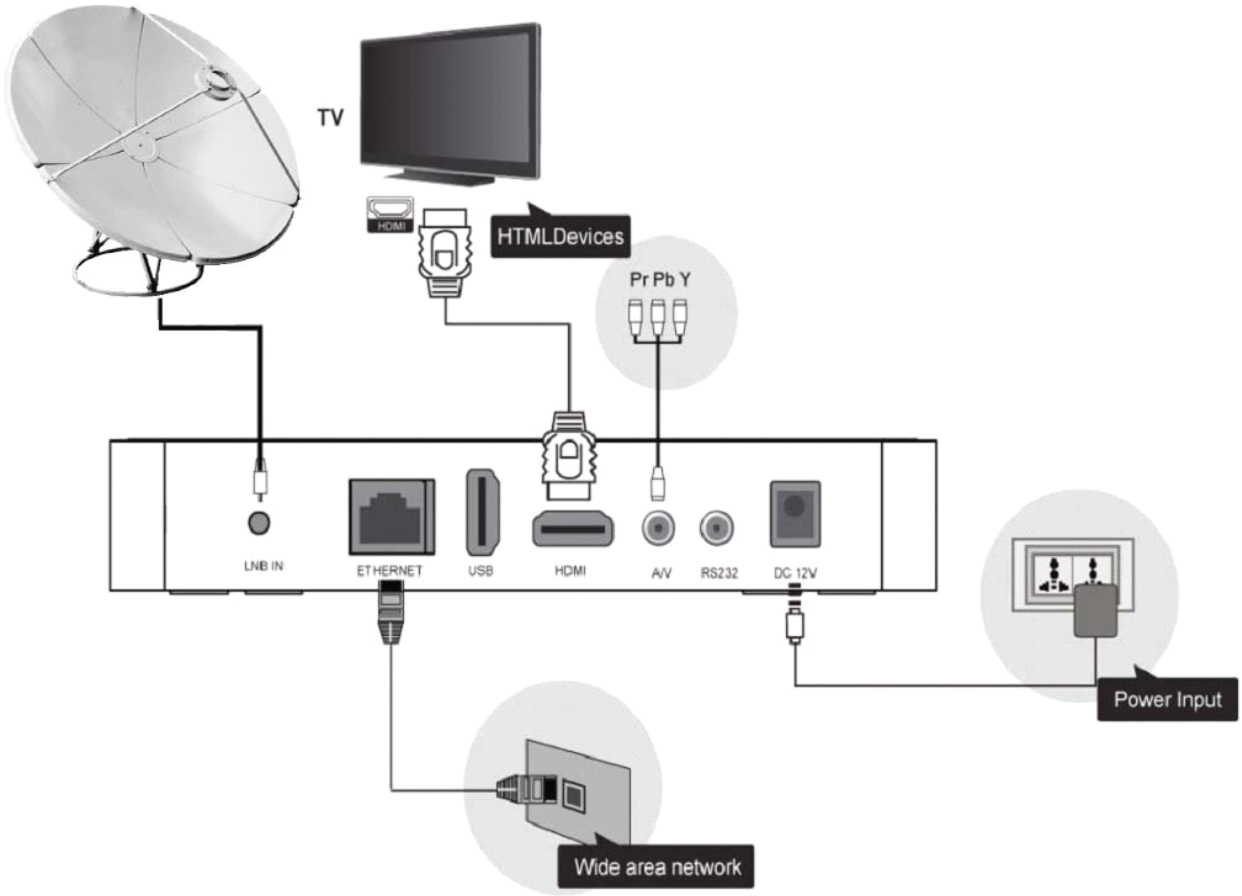
3. System Connection

Please connect with your power, TV set, and other related devices according to the picture shows below, if you need to connect with more devices, please contact with your local operator.



4. Quick Installation Guide

Step 1：Check system connection

Please make sure antenna, TV, STB connected correctly, you can take a reference on system connection picture.

Step 2 ： Switch TV into Video Status

Make sure all the port in rear panel connect properly, turn on the TV, and switch the TV into Video Status.

Step 3：Plug the power line of Android box, turn on the box.

After power line connected, press POWER button to power on the BOX, the indicator LED light in front of panel will on.

Step 4：Standby and Standby Recovery

When machines in turned on ,press standby button ,machine will in standby mode ,and Standby indicator light will on, the box will in low power consumption status .Press standby button again will end standby mode and recover to normal working mode .

Step 5：Power off

After powered off, please pull up the power line.

Note: All features can be achieved through your remote control buttons, also you can achieve parts of functions through the buttons in front panel of the box, if you have difficulty on using this unit, please refer to the instructions in the relevant chapters. If you still can not resolve the problems encountered, please contact the operator to find a solution.

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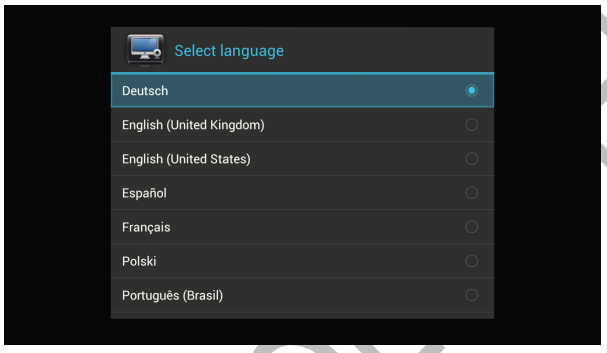
5.Functional Specification

This Android TV box is based on Android 4.0 operating system of smart phone, aiming at providing full variety of Internet applications, keeping your family in heart full of enjoyment on widescreen beyond which smart phone can bring to you.

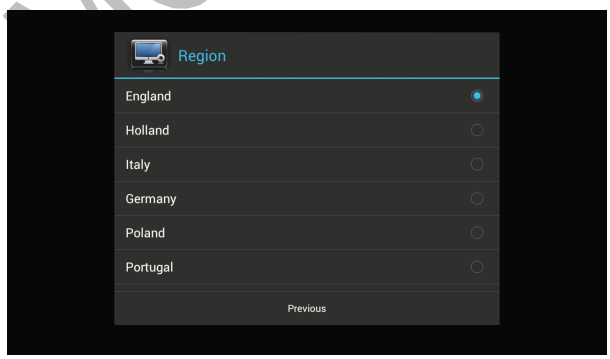
5.1 Boot Guidance Interface

When first booting or after upgrading the system, it will enter a simple setting up interface which guides users to some basic settings of system in order to facilitate the use of in the future.

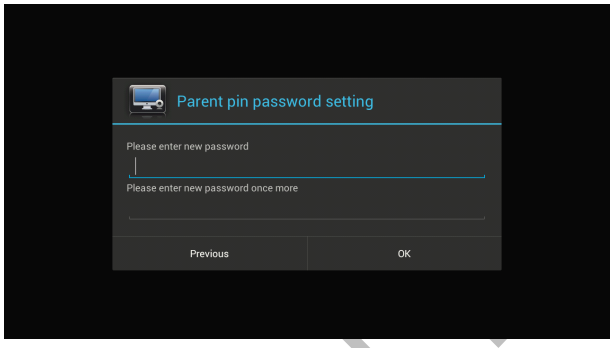
1. Language Settings. Press【▲/▼】to select language, and then press 【OK】to complete setting and jump into the next setting.



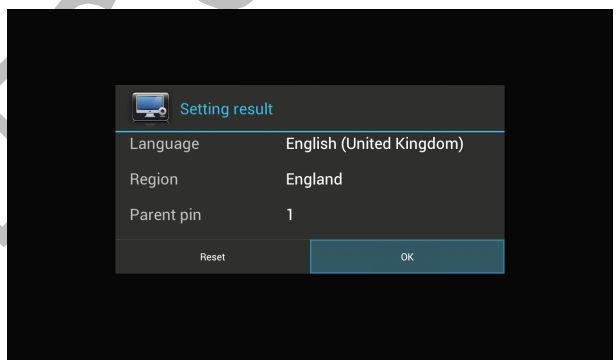
2. Area Settings. After selecting your area, the system will automatically set the time according to the area. Choose "Previous" option to back to the language setting.



3. Parent Lock. The password is relevant to program encryption. (Please refer to the program editing and parent lock settings section for details.) Do keep in mind password settled here.

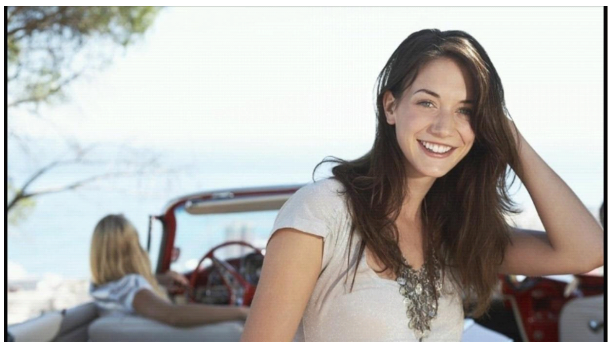


4. Settings Confirm. After confirming all the settings , press【OK】to complete. If you feel some settings are not correct, select "Reset", then return to the beginning of language setting interface.



5.2 TV Interface

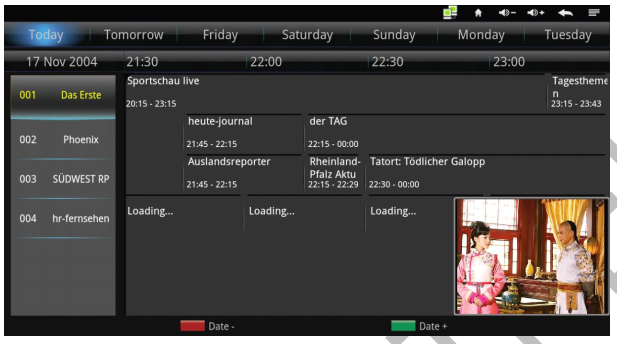
After setting up boot guidance interface, it will enter into the full-screen broadcasting TV program interface, as shown in figure 5-2-1:



5.2.1 Main UI and EPG

1. Press【MENU】, skip to main interface. Press【EXIT】or【MENU】to return to televise interface, The main UI as shown in figure 5-2-2:

2. On televise interface, press【EPG】, jump to EPG interface, then press【EXIT】, return to televise interface. EPG interface is shown in figure:



5.2.2 Switch Channel

1. Press【OK】or【FAV】, program list pops up. Press【▲/▼】to switch channel. Press【OK】to enter into the channel.
2. Press【CH +/-】to switch channel.
3. Press numeric keys to skip to the corresponding channel.
4. Switch channel on EPG interface. (Please refer to the EPG function for detailed information)

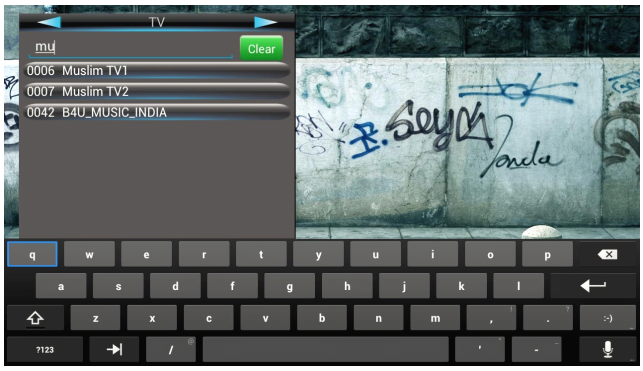
5.2.3 Program list

1. Press【OK】or【FAV】, program list pops up.
2. Press【◄/►】 to view TV program list or all the program lists.
3. Press【▲/▼】to select the program on the list. Press 【OK】to enter in the selected program.

5.2.4 Program Search

1. Press【OK】or【FAV】, program list pops up.
2. Press【RED】key to search the program, as shown in figure 5-2-6:

3. Input key words or letters into input field, matched programs will appear below. Choose your demanded program in the search results, press【OK】to enter in. As shown in figure 5-2-7:



5.2.5 Volume

1. Press【VOL+/- 】to adjust the volume. Above the screen will display the volume progress bar.
2. Press【MUTE】to turn off the sound. Press【MUTE】again to turn on.

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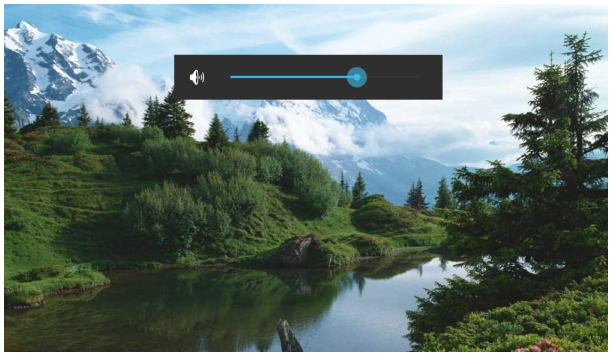
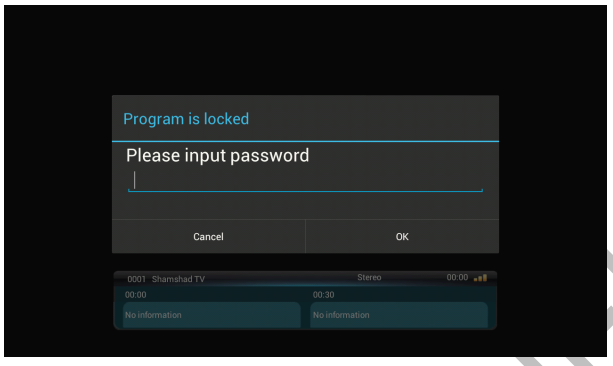


5.2.6 Parent Lock

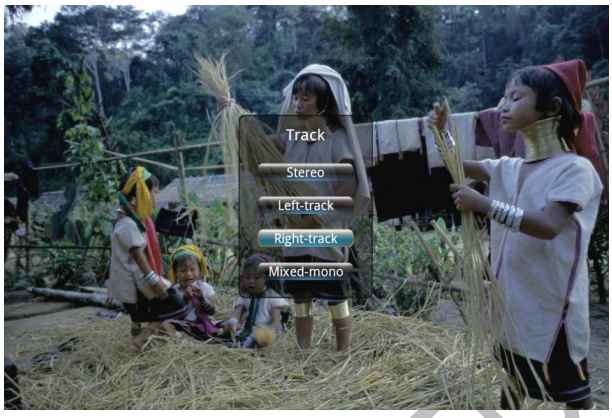
This function is to encrypt programs. (For encryption steps, please refer to the program editing and parent lock settings section). Only by inputing correct password can play the encrypted programs.



5.2.7 Audio Settings

1. Press【AUDIO】, the audio setting menu pops up, press【▲/▼】to choose language or sound track, then press【OK】.

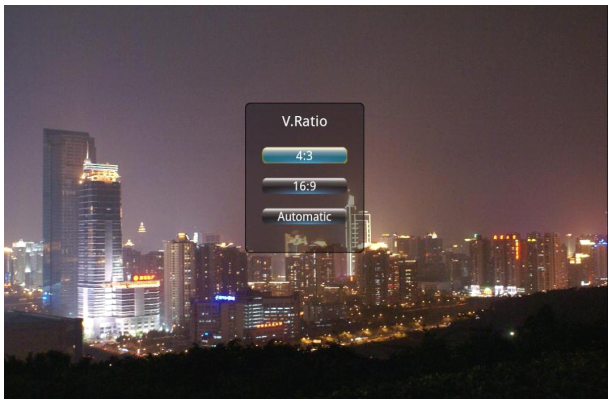
2. When setting up sound track, press【▲/▼】to select track types and【OK】to confirm. Press【EXIT】 to quit setting without saving.



3. When setting up language, press【▲/▼】to select and【OK】to confirm. Press【EXIT】to quit setting without saving.

5.2.8 Video aspect ratio

1. Press【V.RATIO】, the video aspect ratio setting menu pops up .
2. Press 【▲/▼】to aspect ratio types.
3. Press【OK】to confirm; press 【EXIT】 to quit setting without saving.



5.2.9 Program info

1. Press 【INFO】, program info pops up.
2. When switching channel, program info pops

up.

The info includes the current playing program info and next two programs info of the channel.

If there is no info, it will show as:

5.3 Main UI

Under televising state, press【MENU】, then the main UI will pops up as in figure 5-3-1:

There are three parts:

① Time: show the current time and date.

② Televising contractible window: press【EXIT】to back to the full-screen televising state.

③ Main menu: on the bottom of main UI, as shown in 5-3-2. There are six options: TV, Internet, Multimedia, Applications, Games and Settings.By pressing【◄/►】, you can select the between the options. Each option has several son options. Press【◄/►】and【OK】to enter into the chosen son option. Press【EXIT】to return to televising interface.

5.3.1 Program Management

1. Press【◄/►】to move the cursor to "TV" option.
2. Press【▼】, and【◄/►】to select between son options of "Program Edit", "Program Search", "EPG", "PVR", "Manual Search", and "TV Settings".
3. Press【OK】to enter in.

图5-3-1

❖ Program Search

Click into program search, then the auto search interface pops up as shown in figure 5-3-4 below. The satellite list lies left and antenna settings lies right.

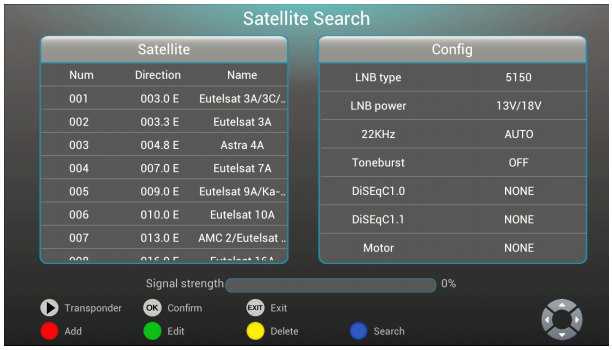
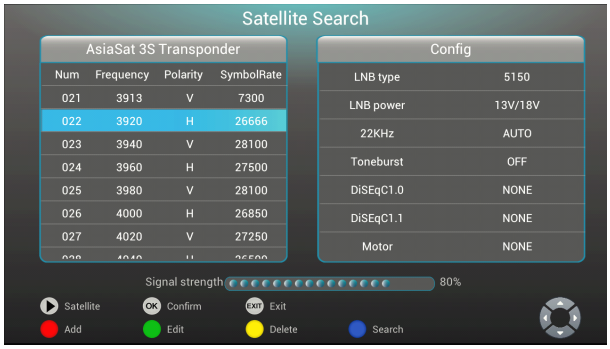


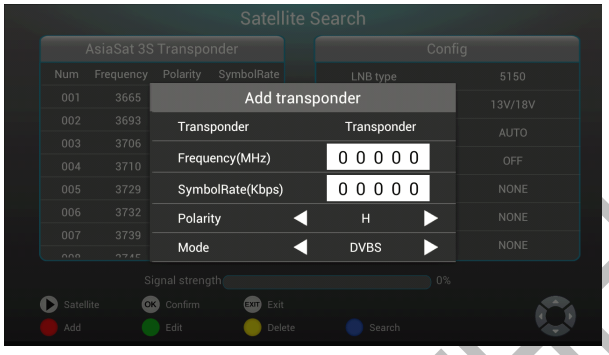
图5-3-2

1) Press【▲/▼】to choose satellite.

2) Press 【 PLAY 】 to jump to the satellite frequency point list.



3) According to the caption below, 【 RED 】, 【GREEN】, 【YELLOW】and 【BLUE】keys separately present ADD, EDIT, DELETE and SEARCH functions. When pressing 【RED】, the following figure pops up.



4) At antenna configuration interface, press【▲/▼】to choose option need to be set up; press【◄/►】to change the parameters; press【EXIT】to turn back.

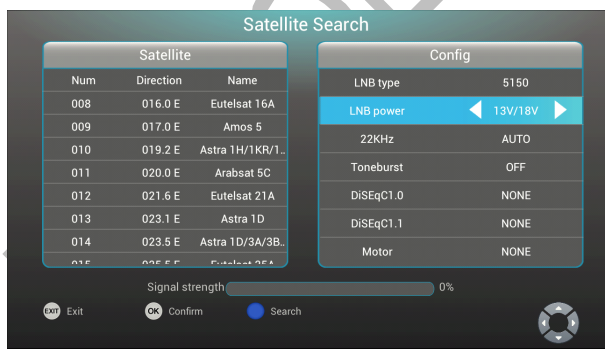


图5-3-3

5) According to the caption below, at the selected frequency point, pressing【BLUE】key means searching the programs at the point, while at selected satellite, pressing【BLUE】key means searching programs at all the satellitic frequency points. A hint window will appear to guide the types to be searched, including TV, Radio, free channel and whole channel. As shown in figure 5-3-8

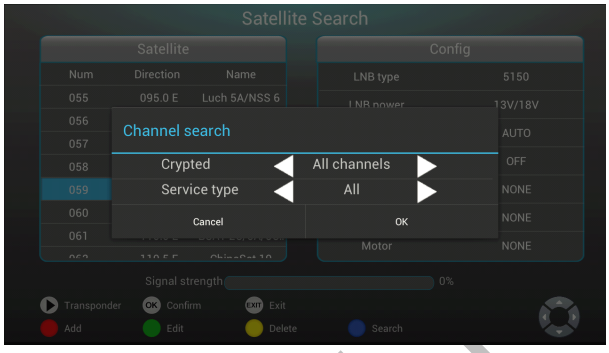


图5-3-4

6) Press【OK】to enter into search progress interface shown in figure 5-3-9. Click the program below to enter into the televising interface

图5-3-5

❖ Program Edit

Program edit function includes lock, favourite, sequencing, move and delete.

◆ Program lock and FAV

1) Move the cursor to "Program Edit" option, press 【OK】to confirm into. It reminds you to input password. When first entering, the user can set up an initial password. If you want to change the password, please refer to the parent lock settings part.

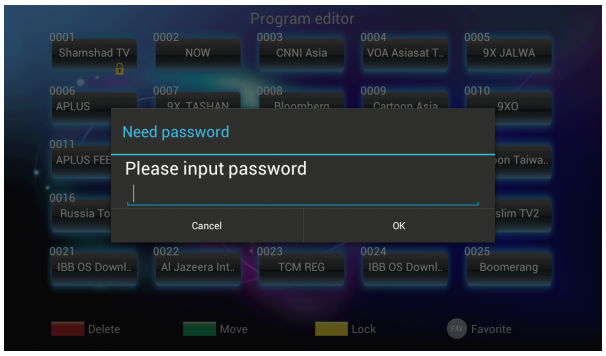


图5-3-6

2) After inputing the correct password, press 【OK】to enter the program editor interface, as shown in figure 5-3-11:

3) Press【▲/▼、◄/►】to move the cursor to the program to be edited. Then press 【OK】and editing options of "favourite" or "lock" pops up as shown in the figure 5-3-12.

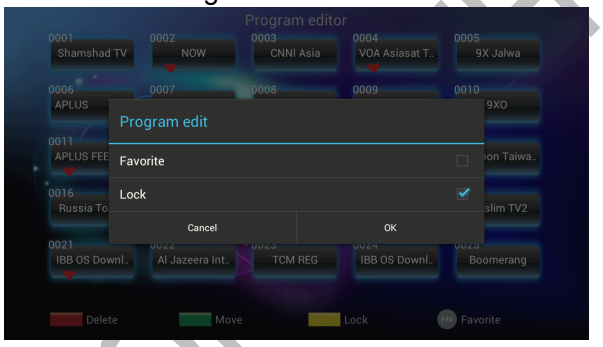


图5-3-7

4) Choose "favourite" and press 【OK】, then the program is highlighted ❤. While choosing "lock", the program is locked with 🔒 mark. If selecting "favorite" and "lock" at the same time, the program is both locked and set to be favorite program. (Note: When you want to watch the locked programs, you need to input the password same to the one settled.)

5) Directly pressing【YELLOW】key can also set programs to be locked. Similarly, pressing【FAV】key can set the programs to be favourite.

◆ Program delete

Press 【▲/▼、◄/►】 to select the program. Press 【red】key , then pops up hint window as in figure 5-3-13. Choose <OK> to delete; choose <Cancel> or【EXIT】to quit without saving.

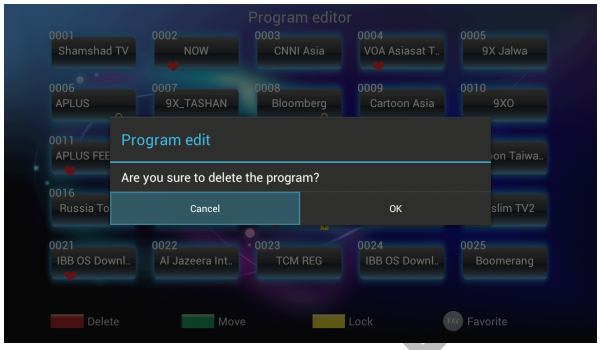


图5-3-8

◆ Program Move

Press【▲/▼、◄/►】to move cursor to the program; press【GREEN】to choose. Then press【▲/▼ ◄/►】to move the program to the desired place. Press【EXIT】to quit without saving.

❖ EPG

The box provides 7 days EPG, convenient for you to get the details of all the programs from Monday to Sunday.

1）Press 【EPG】 to enter into EPG main menu as figure 5-3-14：

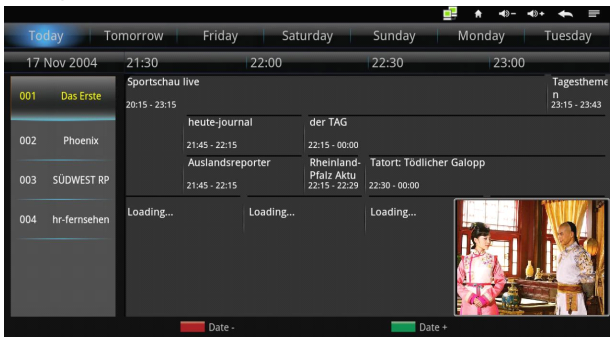
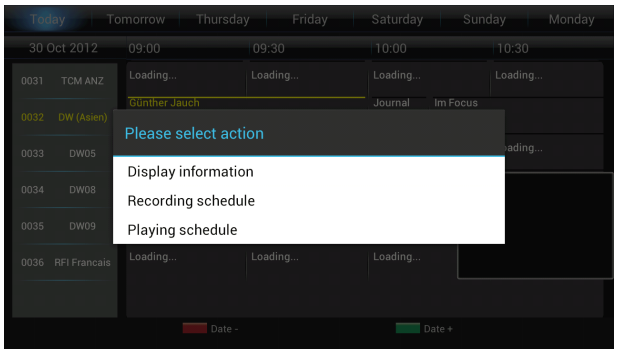


图5-3-9

- Small televising window：There is a movable window to broadcast the selected program on EPG menu.
- Select program： Press 【▲/▼】 to select program
- EPG info：Press【▲/▼、◄/►】to see the EPG info of each time.
- Time and date：Press【RED】and【GREEN】to adjust the time and date。

2）In EPG interface, press【▲/▼、◄/►】to get the program info; press【 OK 】to operate the current program.



Display program info:

图5-3-10

When booking the program, then it will be marked with ：

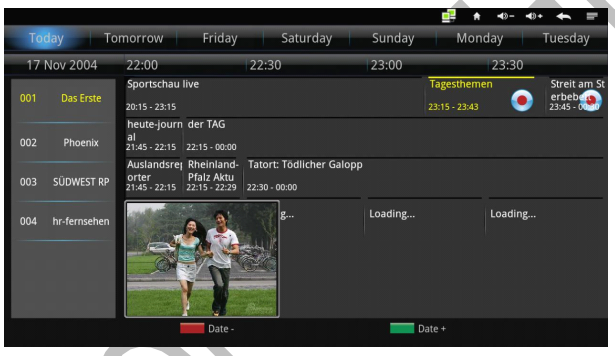


图5-3-11

3）On EPG interface, press【EXIT】to back to the last interface.

❖ PVR

This machine offers convenient PVR program recording function. You can press 【PVR】 key or select "PVR" on the main menu to jump to PVR interface.

1) Time shift: Press【 PAUSE 】to suspend the real-time broadcasting program. Press 【 PAUSE 】 again to replay from the stopped point. Press 【 STOP 】 to recover real-time televising and stop time shift function. By pressing【FF】and 【FB】can realize forward and backward functions in time shift.

2）Recording function：

- Press 【PVR】or select "PVR" on the main menu to jump to PVR interface. The recorded program can be checked in play list.

By pressing【▲/▼、◄/►】and【OK】to play or delete the recorded program.

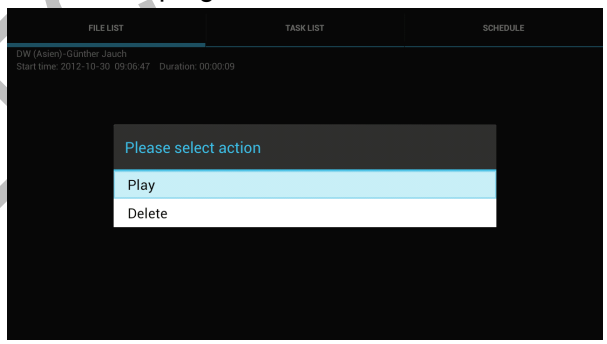


图5-3-12

- In task list, press【▲/▼、◄/►】and【OK】to play or delete the task.

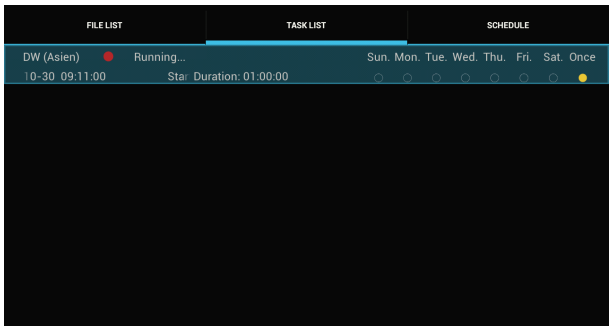


图5-3-13

- In "Schedule", press【▲/▼、◄/►】and【OK】to edit the attribute.

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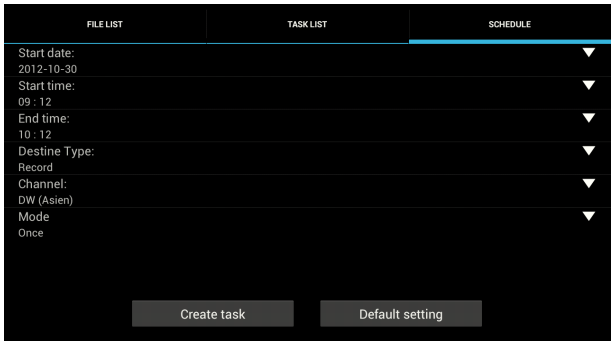


5.3.2 Internet

In the main menu, Internet option has four son options of "Browser", "Email", "YouTube" and "Facebook" as shown in figure 5-3-2. Press【▲/▼、◄/►】to move the cursor to the son option; press【OK】to enter in.

图5-3-14

- **Browser**：IE Browser, connecting Google by default. If you want to log in other website, please use remote control or fly mouse to input the website address you want, for detailed information please take a reference on Internet Function part.
- **Email:** Build-in email software, send and receive emails at any time. Input correct Email address and password, click NEXT and log in.

图5-3-15

- **YouTube**：Online video website.
- **Facebook**：Famous social contact website.

5.3.3 Multimedia

Multimedia includes video, music, picture and file browser as shown in figure 5-3-24. Press【▲/▼、◄/►】and【OK】to enter in.

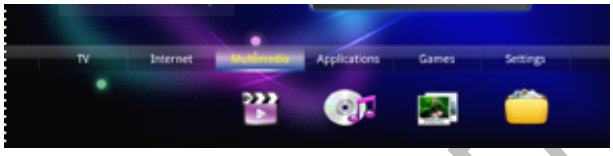


图5-3-16

- **Video player:** Play all the videos from storage device, including SD card, USB, etc, support various mode of AVI、WMV、MPEG.

1）Choose video player to enter in, press【▲/▼】and【OK】to play：

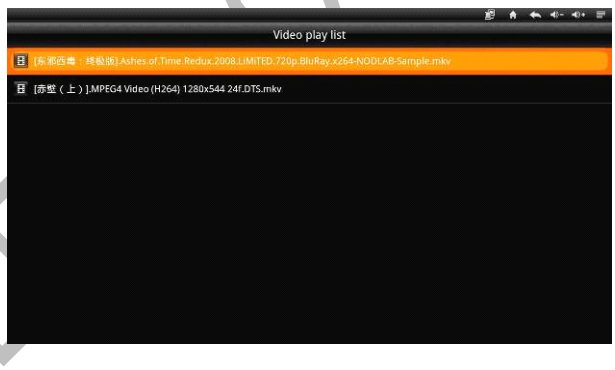
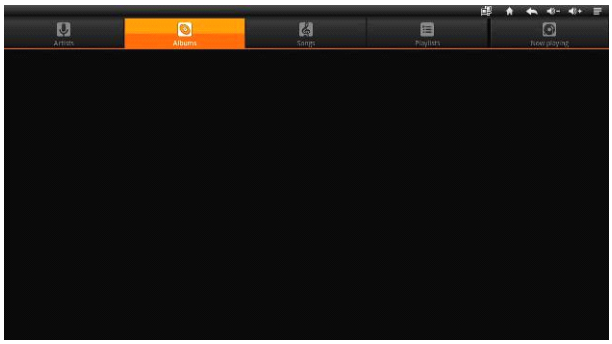


图5-3-17

2) Press【MENU】and the menu column pops up.

3）Press【▲/▼】and【OK】to realize the operations of "open file", "open last video", "backward", "stop/pause", "forward", "next video" and "playlist".

- **Music player:** Support various formats of music, play your favorite song at any time.



❖ **Picture browser:** Clear picture browsing modes help you browse local pictures quickly.

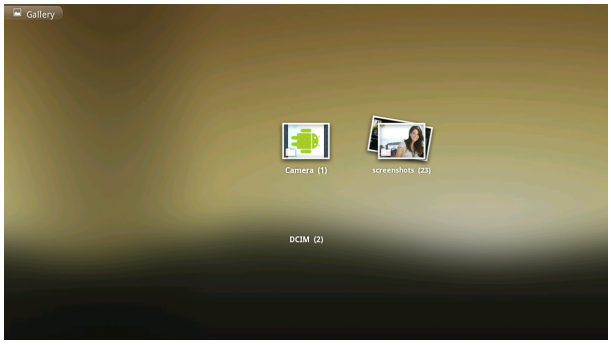


图5-3-18

1）Press【▲/▼、◄/►】and【OK】to enter into picture folder.

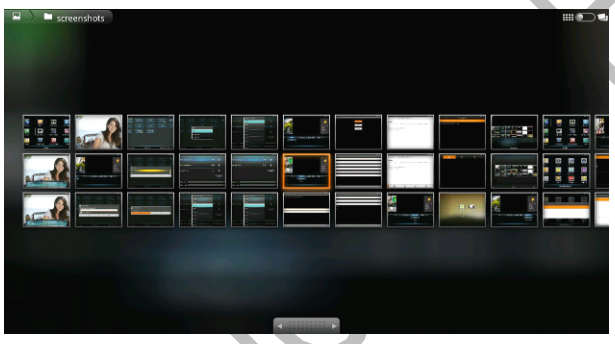


图5-3-19

2）Press【▲/▼、◄/►】and【OK】to watch the full-screen picture. Press【MENU】to realize the operations of "share", "delete" and "more operations".

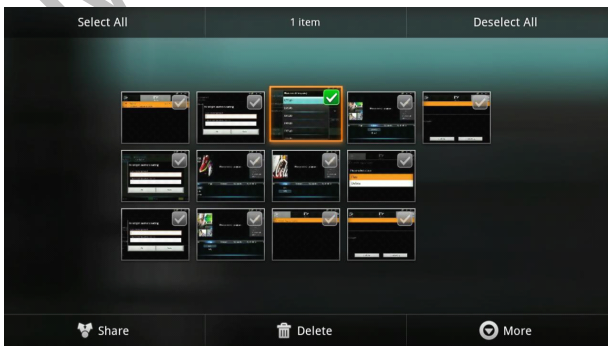


图5-3-20

❖ **File browser:** Manage the files in built-in SD card and outside storage device. Below is the file browser interface：

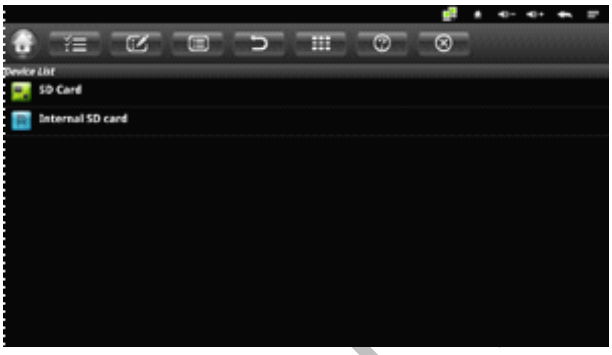


图5-3-21

1）Press【▲/▼】and【OK】to enter in the folder：

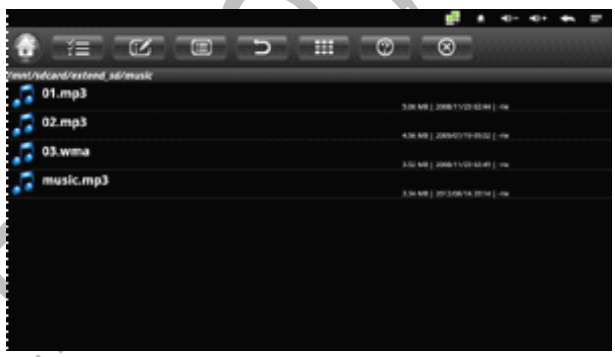
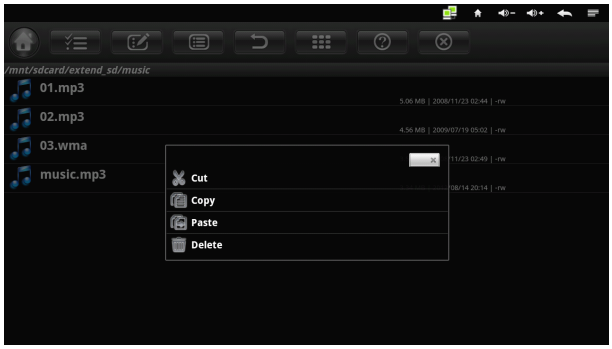


图5-3-22

2）Press【OK】to open the file. Choose edit button to edit the file.



5.3.4 More Applications

More Applications are mainly divided into "Application" and " Applied installation" . Use【▲/▼、◄/►】or fly mouse to move cursor to sub menu, press【OK】button to enter in. As picture 5-3-35 shows:

- **Application**: Please refer to the application function in 5.4 part.
- **Application installation**: Please refer to the application function in 5.4 part.

5.3.5 Games

Games includes the well-known “Fruit Ninja” and “Angry Birds”. Press【▲/▼、◄/►】and【OK】to enter in. As picture 5-3-35 shows:

图5-3-23

5.3.6. System Setup

Press【▲/▼、◄/►】and【OK】to enter in sub menu of "Settings", seeing picture 5-3-36.

图5-3-24

- System Setup: Please refer to theSystem Setup of 5.7 part.

5.4 Application Function

Press【▲/▼、◄/►】and【OK】to enter in application interface as shown in picture5-4-1.

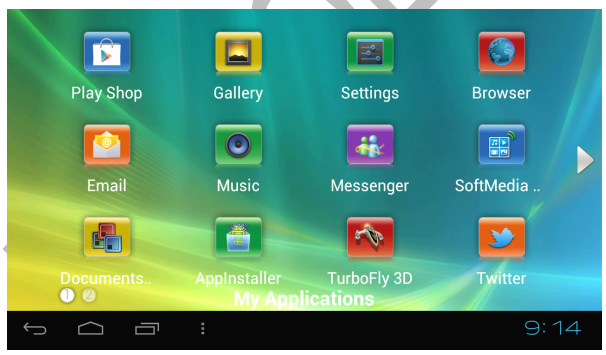


图5-4-1

- IE Browser, connecting Google by default. If you want to log in other website, please use remote control or fly mouse to type the website address you want, for detailed information please take a reference on Internet Function part.
- **Email:** Build-in email software, send and receive emails at any time. Input right correct account number and password, click NEXT, set up mailbox and log in.
- **Video player:** Play all the videos from storage device, including SD card, USB, etc, support various mode of AVI、WMV、MPEG.
- **Music player:** Support various pattern of music, play your favorite song at any time.
- **Picture browser:** Clear picture browsing modes help you browse local pictures quickly.
- **Installation:** Read the installation file from the storage device, click to install the software you want. As picture 5-4-2 shows.

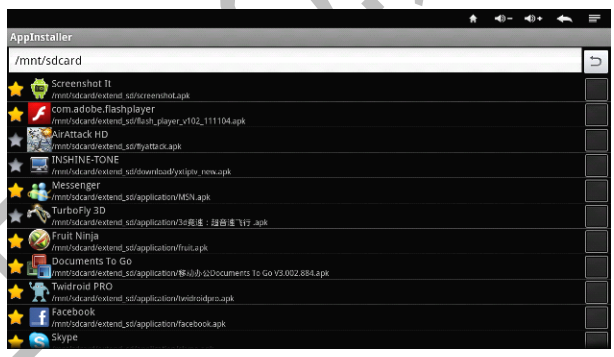


图5-4-2

1) Press【▲/▼、◄/►】and【OK】to choose the app to be installed, then click "install". Click "cancel" or 【EXIT】button to quit installation.

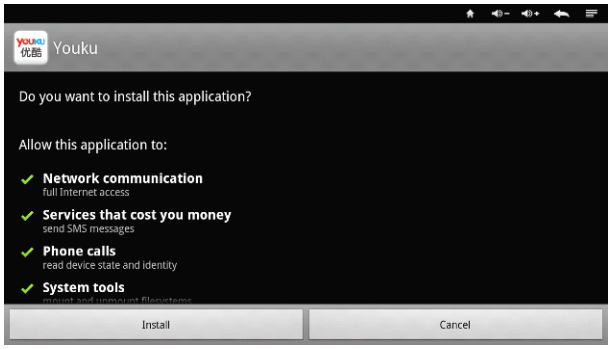


图5-4-3

2) If the app you choose is existing, pressing【OK】to unload. Click【OK】to confirm uninstall . Click "cancel" or【EXIT】button to quit installation.

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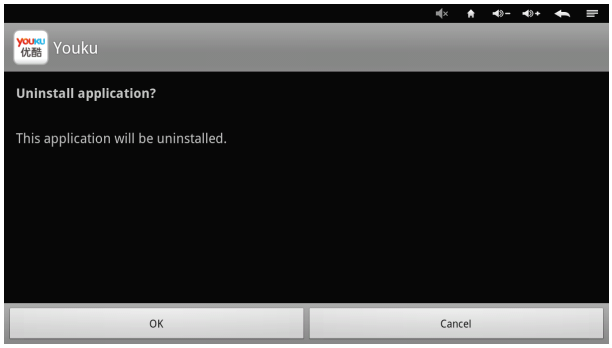

图5-4-4

3) Application classification function. It means that you can sort out the app to any category you want after installing it. For example, you can add QQ game to “ communication ” column, convenient for using afterwards.

- **Setting** ： All settings of this machine including internet setting, display, storage device management, etc.
- **Other application**: including games, Internet video, communication, etc.

  Games：Build in Games, including “Angry bird” “Fruit Ninja” “3D Plane race “

  Internet Video ： Most frequently used video website includes BBC, Youku, and Youtobe.

  Communication Tools: Mostly used chatting software includes MSN, SKYPE, Facebook, Twitter, Flicker, Picasa.

5.5 Text Input

Next introduce how to use the remote control to input text.

Step 1: Long press【OK】button, pops up input method selection box, as picture 5-5-1 shows:

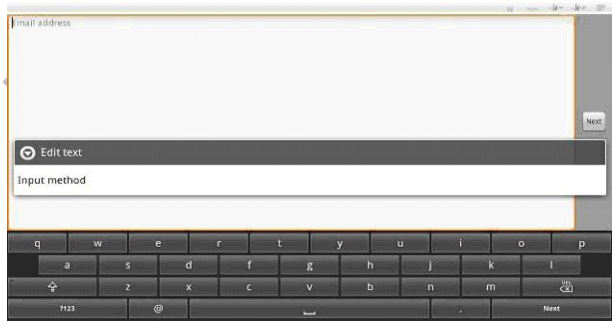

图5-5-1

Step 2: Choose "Input Method" to inter into input method selection interface, as show in picture5-5-2:

图5-5-2

Step 3: Choose a kind of Input Method. Press【Yellow】to shift among "input area", "candidate area" and "display area". Press【▲/▼、◄/►】turn page and choose character left and right. As picture 5-5-3 shows:

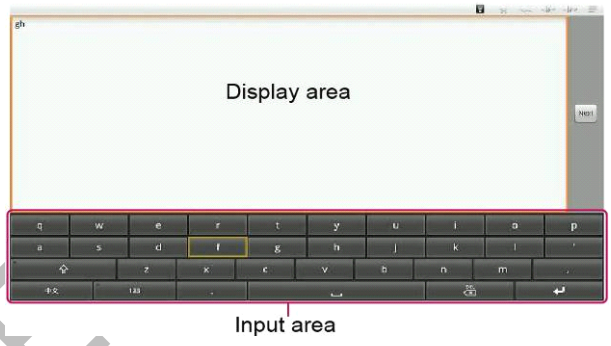

图5-5-3

1、输入区可以用方向键来选取字符，如图 5-5-4 所示。

Step 4: You can use direction keys to select character. As shown in picture 5-5-4：

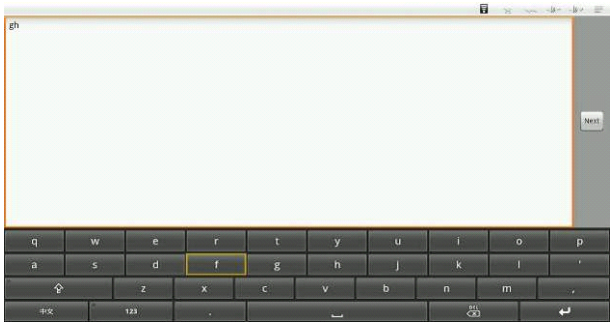

图5-5-4

5.6 Internet Function

This machine provides full variety of Internet function. You can surf the internet as that using your own PC, investing in stocks, inquiring the map, online chat, etc, For detailed information, please check the information below.

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5.6.1 Web Surfing

Press【▲/▼、◄/►】and【OK】to enter in Web browser. You will log in homepage of Google, if you want to log in other website ,please enter the address of the website you want to enter .For detailed steps ,please check the following steps .

Step 1: Use Fly mouse or direction keys to move cursor ito the website address bar .Like shown in picture 5-6-1:

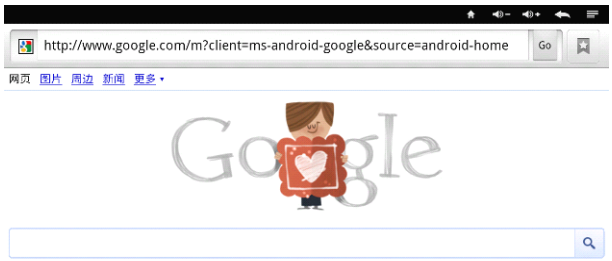
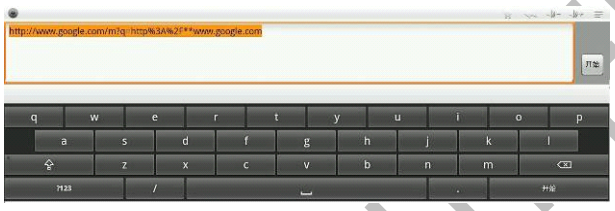


图 5-6-1

Step 2: In the red address bar, click【OK】to enter input interface. Like shown in picture 5-6-2：



Step 3：Input the address, you can use fly mouse to input the letters in below alphabet, or you can directly press letter button in fly mouse.

Step 4： After finishing inputting the address, please move cursor on “Start” click the start button with left button, you will enter into the web site.

Step5: On the browsing web, click【Menu】button or the picture on the top right corner with mouse, in this way, web can be set, including new window, bookmark and so on, as the picture 5-6-3 showing.

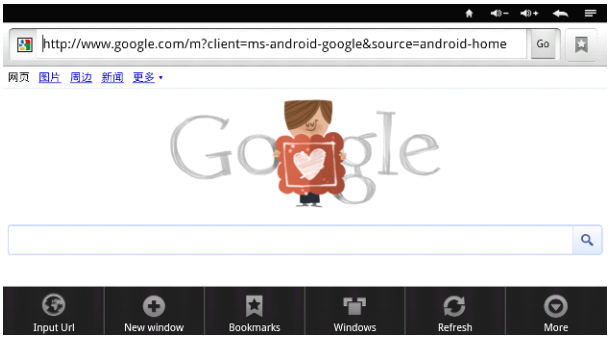


图 5-6-2

Step 6: To speak of, in the choice of “settings”, click “set browse mode” and set it, the modes include Android, Desktop, iphone, iPad and so on. Starting up mode is ipad mode. Like the picture 5-6-4 showing.

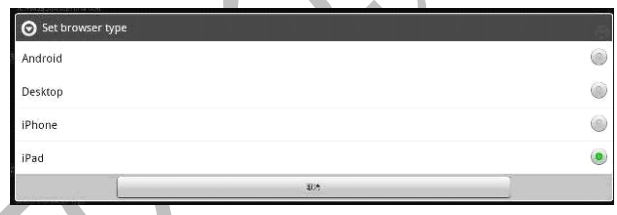


图 5-6-3

If you want to play Flash Video, you should have a specific setting after installing Flash p lug-in, click “set browse mode” to choose An droid mode.

5.7 System Setup

Press【▲/▼、◄/►】and【OK】to enter in “System Setup”. Then you can use the same way to enter in from main UI.

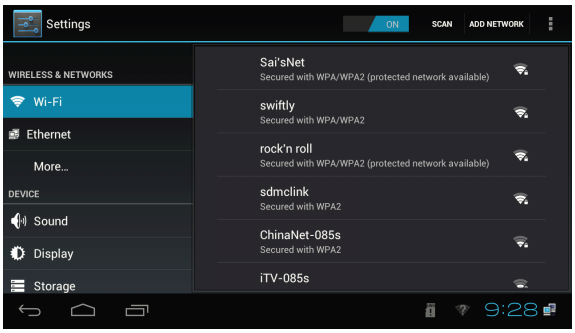


图 5-7-1

Detailed setting method will be explained as following.

5.7.1 Wireless & Internet

按 IR 遥控器【▲/▼】键和【OK】键选择无线和网络图标打开设置界面。进入后如图 5-7-2 所示。

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Press【▲/▼、◄/►】and【OK】to enter in " Settings", seeing picture 5-7-2:

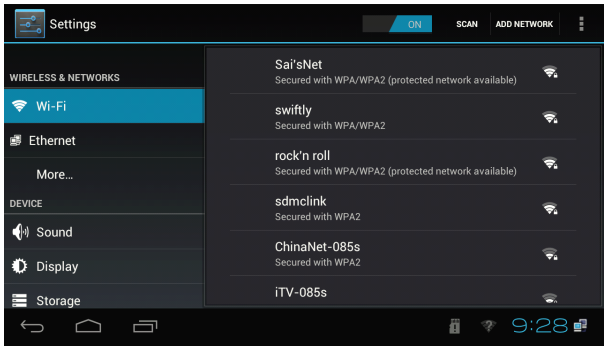


图 **5-7-2**

❖ **Wi-Fi**：Turn on or turn off WLAN function

Choose upper right【BLUE】button, then press【OK】button. WIFI is open when it shows "ON".

❖ **Wi-Fi Setting**：Setup and manage wireless access point.

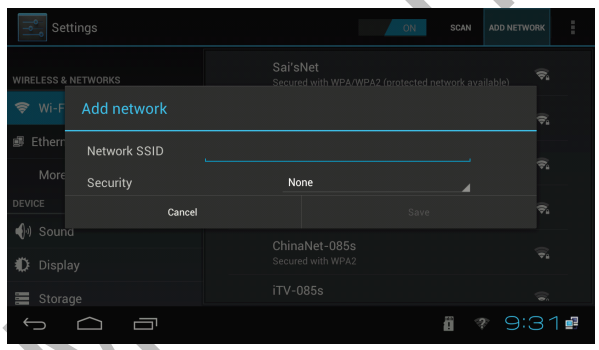
System will auto search Wi-Fi internet when Wi-Fi is open and display the result in Interface. If no internet is searched, you can add WLAN access point by hand.

❖ **Adding WLAN access point by hand:**

Following options are in Wi-Fi list:

Scanning：Automatically scan WIFI wireless internet

Add network: Press【OK】button, it will pop dialog box, as shown in picture 5-7-3:



Advanced：Advanced setup Interface is as below

❖ **Choose Static state IP**：Whether choose to use Static state IP mode.

If choose use static state IP mode, the IP address, Gateway, Netmask, DNS, each becomes available, you need to setup this parameter correctly .On the contrary, all of these settings are invalid.

Use IR remote control to choose static state IP, press【OK】button to confirm enter in..

5.7.2. Ethernet Configuration

❖ **Ethernet** ： Click this option , press【OK】button to turn on or off Ethernet.

❖ **Ethernet configuration**：Set Internet IP and other parameters.

Click this option, entering Ethernet configuration interface. Like picture 5-7-4 shows:

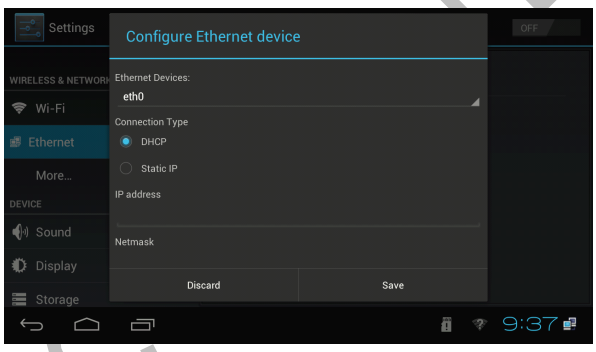


图 5-7-3

In the interface of Ethernet configuration：

◆ **Ethernet Equipment**：Currently can be applied Ethernet equipment eth0 by default.

◆ **Connecting mode**：

1）DHCP Mode： Auto obtain IP address mode.

2）Static state IP：Static state IP mode

When choose Static state IP mode, need to setup all IP parameters correctly then save it.

5.7.3. Voice Setup

Set related properties, press【OK】button to enter in.

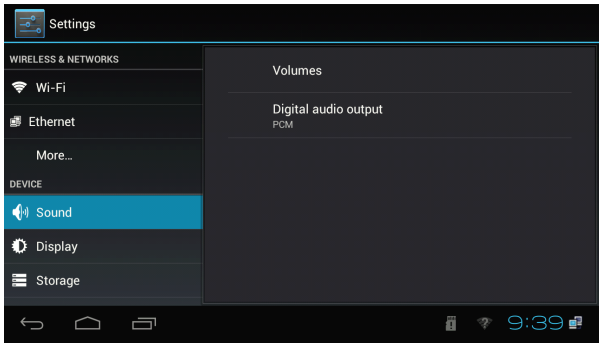


图 5-7-4

- Volume: Set the system volume;
- Sound Output Mode : Choose PCM or R AW model.

5.7.4. Display Setup

Set related properties, press【OK】to enter in.

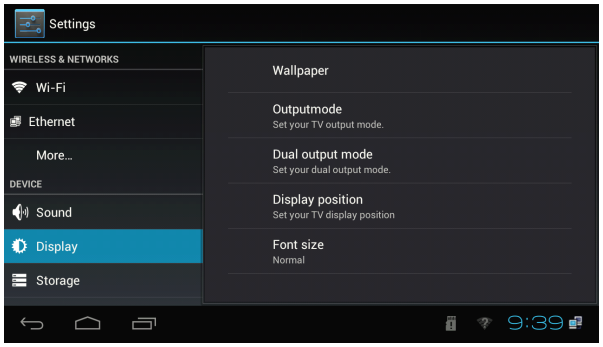
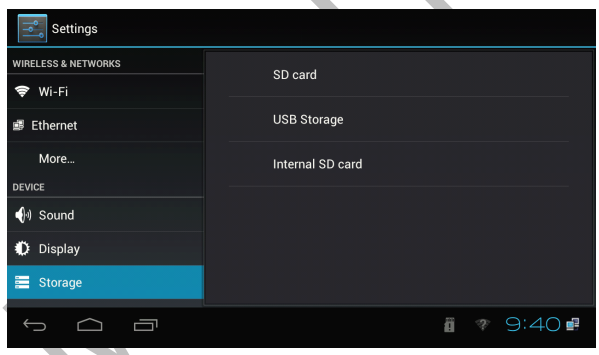


图 5-7-5

- **Wallpaper:** Set the system wallpaper
- **Output mode** : Set TV output mode, including 720p, 1080p, etc.
- **Representation rate:** Set window representation rate, adjust screen size.
- **Font-Size:** Set system font-Size.

5.7.5. SD Card and Storage Device

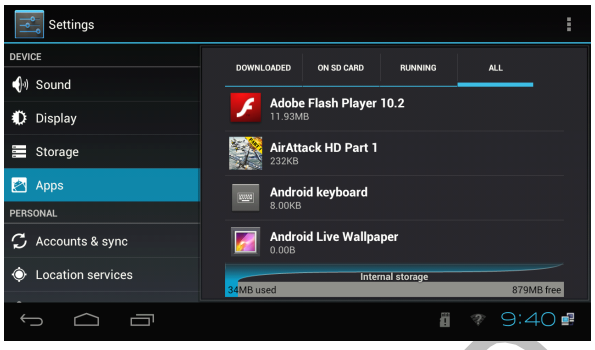
Show SD card and storage device and i nternal memory information, and unloading, in stallation, formatting operation.



Note: Please unload it safely before format Hard Disk.

5.7.6. Application program

Choose "Apps" and press【OK】to enter in, li ke Picture 5-7-8 shows:



- **Download Already:** Display users' perso nal download and install applications
- **Running Services:** Examine currently be en using service and visit the service for management.

5.7.7. Personal Settings

Personal Setting including Account & Synchro nization, LBS, Safety, Language & Input, Bac kup & Reset, as shown in picture 5-7-9.

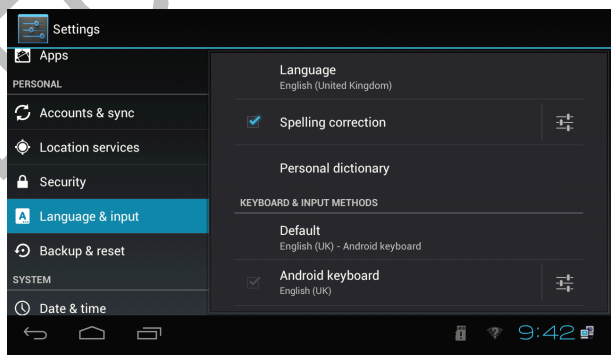


图 5-7-6

- **Account & Synchroniza:**
  All kinds of accounts can be added, including Google, Skype, Twitter and so on, realizing the synchronization of data
- **Location Based Services:** Set whether to open Google's location service or not
- **Safety:** Set password visible, equipment control, applied installation, etc.
- **Language & Input:** Set system language and default input method.
- **Backup & Reset:** Back up data and restore factory setting.

5.7.8. Update System

1. Insert the SD card or U-disk stored application

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files .

2. Choose ***Setting ->system setting->system upgrading*** into the system upgrading interface, see as picture 5-7-11.

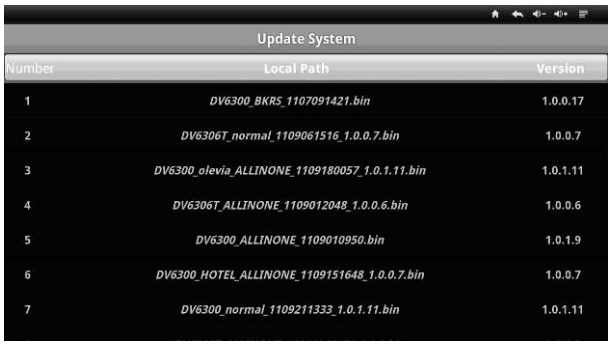


图 5-7-7

3. Choose the right package in the interface of system listed all upgrade package, then pop-up confirm dialogue, as shown in picture 5-7-12.

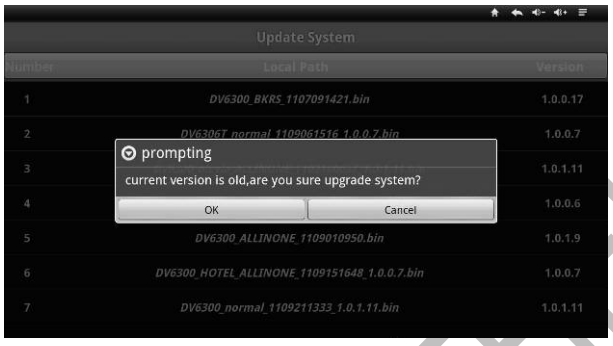


图 5-7-8

4. Click【OK】to confirm upgrading, system will reboot then into the uploading interface, as picture 5-7-13.

5. Start to clearing FLASH and showing the progress after completely loading the upgrade files, see as picture 5-7-14.

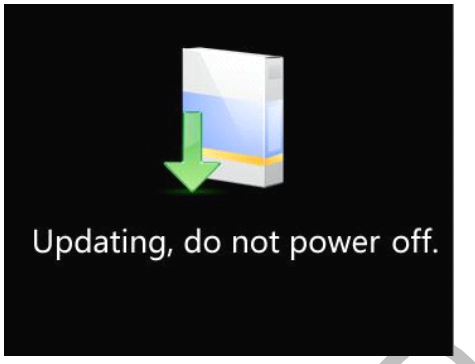


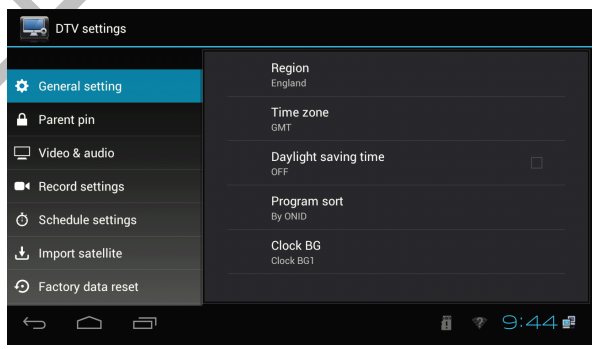
图 5-7-9

6. System will auto reboot and the new system start to running, after the whole upgrading completely.

Note: Do not power off when in processing of upgrading

5.8. TV Setup

Press【▲/▼、◄/►】and【OK】to enter in "DTV Settings". As shown in the following picture.



Detailed setting method will be explained as f ollows.

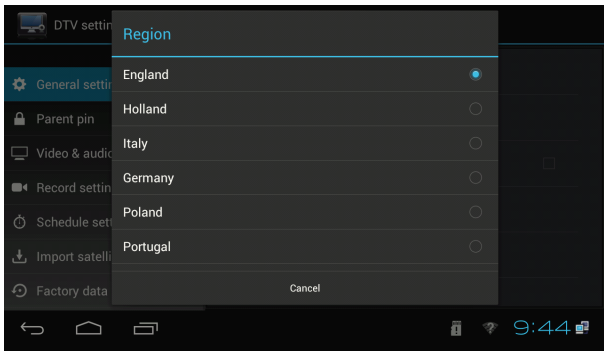
5.8.1. General Upset

Use Right button to inter general setup interface and choose the son options you want, press “OK” button to confirm.

❖ **Region Selection:**

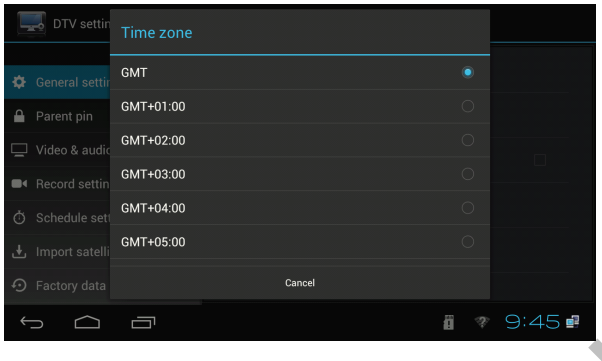
Use Up, Down button to choose region, p ress

“OK” button to confirm, and press “EXIT” butt on to quit.



❖ **Time Zone Selection:**

Use Up, Down button to choose time zone,press “OK” button to confirm enter in, a nd press “EXIT” button to quit.

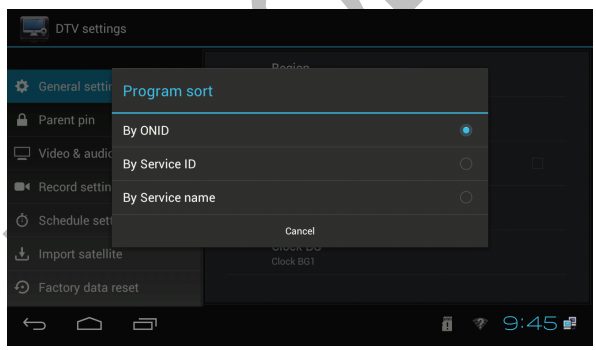


❖ **Daylight Saving Time:**

Use up ,down and “OK” button to choose Daylight Saving Time, press “OK” button to open or close it.

❖ **Programs sort:**

Use up ,down button to choose programs sort, press “OK” button to confirm enter in, and press “EXIT” button to quit.



❖ **Clock background:**

Use Up, Down button to choose clock b ack

ground, press “OK” button to confirm enter in, and press “EXIT” button to quit.

5.8.2. Parent Lock and its grade

1) Set password to lock program and realize program edit function. Press Up, Down and “OK” button to enter parent pin settings. Set new password and parent pin grade in the p opup dialog box.

2) Press Up, Down and “OK” button to enter parent pin upset interface, reset parent pin password or its grade, press “EXIT” to quit.

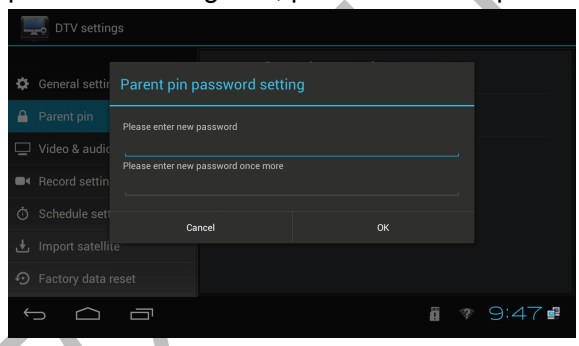


图 5-8-1

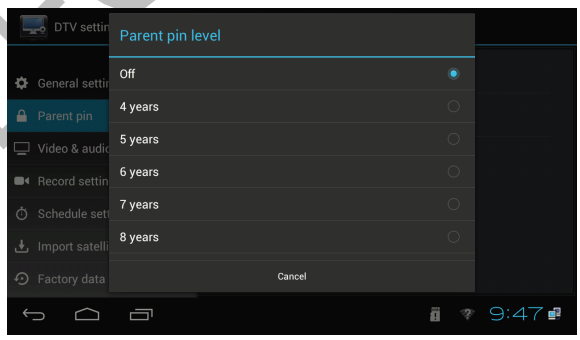


图 5-8-2

5.8.3. Video and Audio

Use Up, Down button to choose Video and Audio Upset, press Right button to enter video and audio upset interface and choose son options you want.

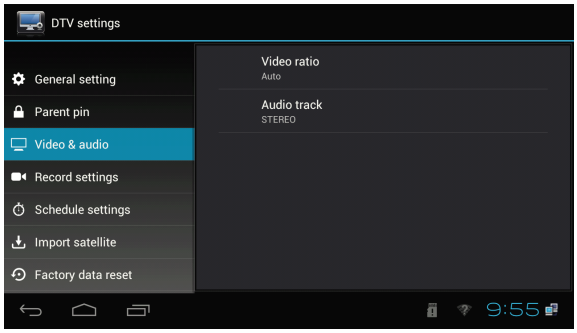


图 5-8-3

❖ **Video aspect ratio:**

Press Up, Down and “OK” button to enter video aspect ratio upset. As shown in picture 5-8-7. Video aspect ratio can be adjusted, it’s function corresponds to “V.RATIO” button function, press Up, Down and “OK” button to confirm, and press “EXIT” button to quit.

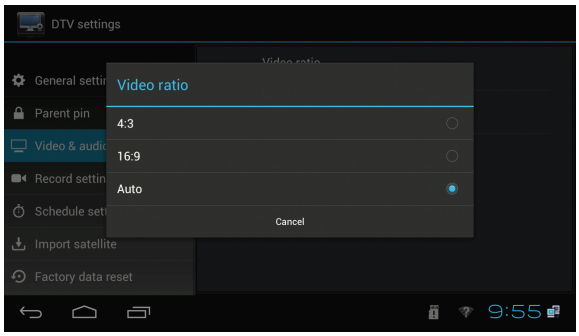


图 5-8-4

❖ **Audio track:**

Press Up, Down and “OK” button to enter audio upset ,as shown in picture 5-8-8. Audio track can be adjusted, it has stereo, left channel, right channel and consonant blends. It’s function corresponds to “AUDIO” button function, press Up, Down and “OK” button to confirm, and press “EXIT” button to quit.

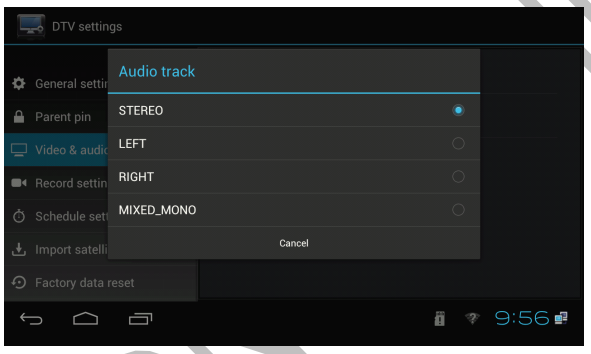
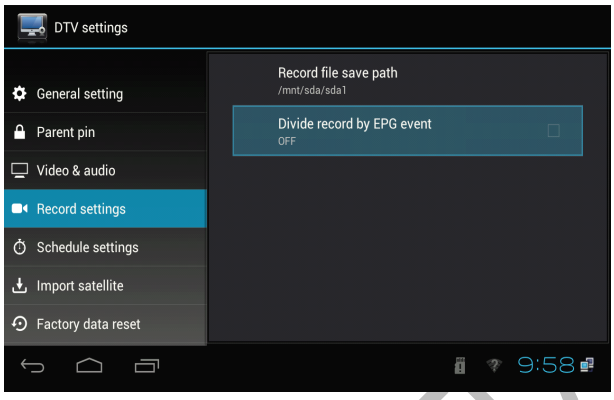


图 5-8-5

5.8.4. Record Upset

Use Up, Down button to choose Record settings, press Right button to enter Record settings interface and choose son options you want.



❖ **Record file save path:**

Set the position of Record file save.

❖ Divide record by EPG event:

Open or close Divide record by EPG event function.

5.8.5. Schedule Upset

❖ **Remind before schedule start:**

Remind before schedule start is mainly to remind program scheduled operation , whether users schedule the programs or not. Press Up, Down and “OK” button to enter remind before schedule interface, press Up, Down and “OK” button to confirm, press “EXIT” to quit. As shown in picture 5-8-10.

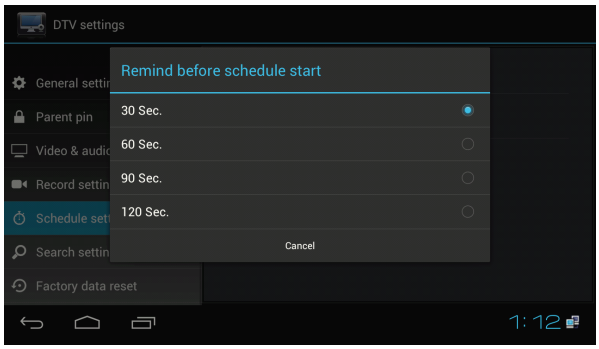


图 5-8-6

❖ **Schedule record duration:**

Schedule record duration is mainly to set the length of program record time. Press Up, Down and “OK” button to enter default schedulerecord duration, press Up, Down and “OK” button to confirm, press “EXIT” to quit. As shown in picture 5-8-11.

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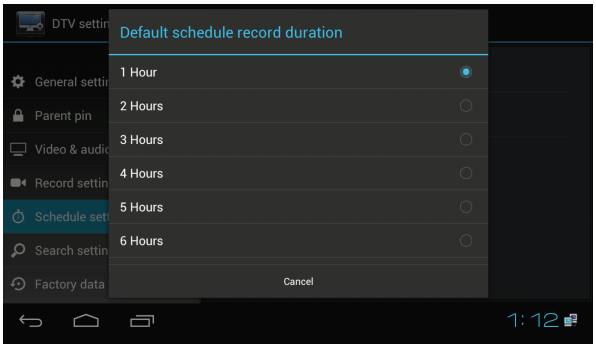

图 5-8-7

5.8.6. Import satellite

Import satellite can import satellite file information in external equipment into existed satellite file, thus supplement satellite file information. Press “OK” button to enter import satellite interface, as shown in picture 5-8-12.

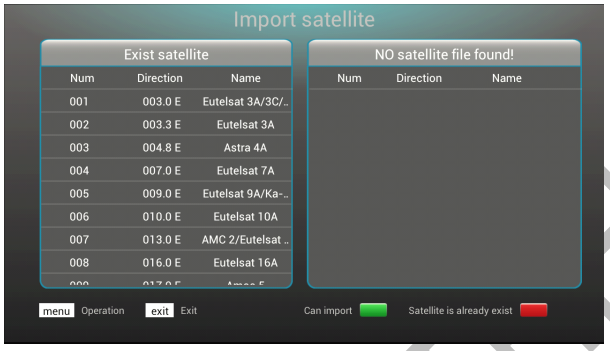

图 5-8-8

5.8.7 Factory reset

It is a simple factory reset, just restore DTV related information, and will not delete users’ application and files. Press “OK” button to enter factory reset, as shown in picture 5-8-13.

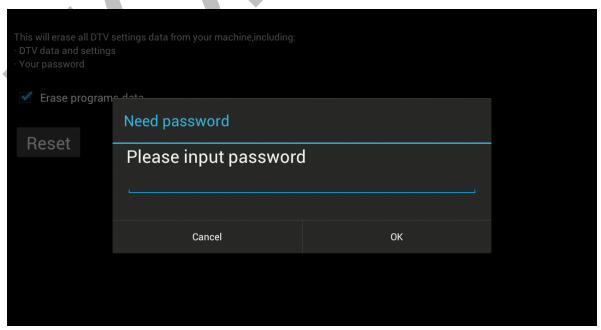

图 5-8-9

Input password to enter start settings interface, users choose language, region and set new parent pin according to prompting, return to TV settings interface after finish setting.

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6. Technical Parameter

Features:	**Standard**
Android 4.0 System	YES
Suppor local multimedia playing	YES
Support HMTL5 or RTSP vedio and audio playing	YES
Support hardware accelerating OpenGL2.0	YES
Support Android 2D/3D games	YES
Support video formats：mpeg、avi、mov、mp4、rm、rmvb、mp3	YES
Support picture formats: jpeg、bmp、png、gif	YES
Resolution 720P, 1080P	YES
Support multilanguage English, Chinese, Spanish, Polish, Portuguese, Persian	YES
Support USB 2.0 interface×2	YES
Support updating by USB device or SD card.	YES
Support USB HDD and SD card devices（FAT32、NTFS）	YES
Support built-in SATA HDD	OPTIONAL
Support IR remote control	YES
Support USB wireless keyboard and mouse	YES
Support USB WIFI Dongle	YES
Support built-in WIFI	YES
Support HDMI output	YES
Support Coaxial output	YES
Support optical output	YES
Support HD DVB-S2	YES
Support USB PVR	YES
Support 7 days EPG	YES
Support timing playing	YES
Support program playback	YES
Support multi-screen interactive function with DLNA and Airplay protocols	OPTIONAL
Support using the android mobile phone to control the box	OPTIONAL
Video Decoding	**Standard**
Support MPEG-1/2/4 ASP，DivX 3/4/5，XviD，H.264（1920x1080p @ 30fps），VC-1，WMV，H.263 video formats	YES
Support 4:3 and 16:9 screen ratio	YES
Audio Decoding	**Standard**
Support MPEG 1/2/2.5, Audio Layer 1/2/3，WMA Version 4, 4.1, 7, 8, 9, WMA Pro，PCM，Vorbis，Flac，ALAC，APE，AAC-LC, AAC-HE，AC-3，DTS，Real Audio audio formats	YES
Sample rate：8~48KHz	YES
Tuner parameter	**Standard**
Tuner Model: SHARP7306+AVLINK 6211	YES
Fully compliant with HD DVB-S2 standard	YES
Reception frequency range:（MHZ）：950 ~ 2150MHz	YES
RF input（dBm）：-65dBm ~ -25dBm	YES

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Imput impedance：75Ω	YES
Main Board	**Standard**
SOC：Amlogic 8726 M3	YES
CPU：ARM A9 1GHz	YES
GPU：MAIL-400	YES
DDRIII Memory：DDR3 1G	YES
Flash Memory：MLC 4GB	YES

Abnormal phenomenon and ruled out

Fault Phenomenon	Possible reason	Solution
After start, without any display	The power cord didn't connect or socket without electricity	Connected power plug, ensure normal voltage electrical outlet
No Voice and Images	Play box in standby mode	Please press the POWER button of the RCU switch to the operation condition
Channel selection, showing no signal	Wrong signal connection	Please re-connect signal refer to the system connection
	Television station has no signal	Please try later when having signal
TV with Voice without Images	Video line goes off	Please re-connect the video cables
TV images without Voice	Audio wire has no connection	Re-connect the Audio lines
	Play Box in quiet state	Please press mute button to restore volume
	Audio setting is abnormal	Please enter the audio and video Settings menu, select the appropriate sound channel and language
	Volume , down to minimum	Up the volume
Consistent Voice with content	Inconsistent Track	Please setting in the audio and video Settings menu, select sound channel
Images pause Or Mosaic phenomenon	The network speed not enough or unstable	Contact to network operator
Controller failure	RCU not aimed the receiving head of the front penal	Please aim at the front's ' SENSOR', then try again
	Shortage power of Remote control batteries	Please change the batteries
	Remote control is possibly damaged	Please send it to the local maintenance station for checking

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8. Glossary

HDMI	High Definition Multimedia Interface
EPG	Electronic Program Guide
MHz	Frequency unit
RF	Radio Frequency（It is also called HF in some countries）
Standby	STB no longer plays program or outputs any video and audio signals, also don't accept command of any key except on/off button.
Parent Lock	Allow parents to lock programs unfavorable to children
Set-top-box (STB)	A kind of equipment that can decode and tune digital signal, and turn these signals into formats TV can accept. In addition to decoding signal, it can also verify viewers' access rights.
Smart Card	A kind of card contains integrated electronic circuit. It can provides you with all kinds of service together with set-top box.
Encrypted Programs	Some TV or music are encrypted. You need smart card to watch or listen to them.

Appedix：Accessories

- MINGLE DVB-S2 STB×1
- RC×1
- Battery×2
- RF cable×1
- User Manual×1
- Warranty Card×1

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